

ABSTRACT OF THE DISCLOSURE

A method for cleaning of a measuring element (1) passed over by a gas flow is arranged on a thin-walled membranous material (5). The measuring element (1) includes at least one heatable element (6, 7, 8; 10, 11), which is arranged on the membranous material, the membranous material being capable of vibrating. By means of a control apparatus (20) or a switching (22) associated with the measuring element, a periodic delivery of current (41, 42) in intervals takes place in this manner to at least one heatable element (6, 7, 8; 10, 11) of the measuring element (1) and thereby produces vibrations. Alternatively, vibrations of the membranous material (5) can be produced by special vibration exciters or by means of ultrasonic coupling.